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AGRICULTURE PROFILE

CRESTON DISTRICT

Province of British Columbia
Ministry of Agriculture and Food

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BRITISH COLUMBIA AGRICULTURAL REPORTING REGIONS

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This series of agricultural profiles was produced by the Policy Development and Economics Division, British Columbia Ministry of Agriculture and Food.

The report is descriptive, and includes statistical information from a variety of sources. It is designed primarily as an information base for use by Ministry of Agriculture and Food staff in district goal identification and program planning.

The authors acknowledge with gratitude the assistance and co-operation received from individuals and organizations both public and private during the preparation of this report.

This report is one of a series covering the eighteen District Agriculturists' Office Areas of British Columbia.

Abbotsford
Chilliwack
Cloverdale
Courtenay
Cranbrook
Creston
Dawson Creek
Duncan
Fort St. John
Kamloops
Oliver
Prince George
Quesnel
Salmon Arm
Smithers
Vanderhoof
Vernon
Williams Lake

AGRICULTURAL PROFILE - CRESTON DISTRICT

PREFACE

BACKGROUND

The British Columbia Ministry of Agriculture and Food has divided the Province into eighteen agricultural districts, each served by a District Agriculturist. Profiles of these districts were first developed in 1980 under the Canada-British Columbia Agriculture and Rural Development Subsidiary Agreement (A.R.D.S.A).

The availability of new data from the 1981 Census of Agriculture resulted in a need for major revision. The present profile is an updated version reflecting the Census information. At the same time, the profiles have been expanded to include information not previously available, and many of the tables have been restructured to show a more detailed breakdown of different variables by farm sales.

CAVEAT

As the agricultural districts were designed to meet the needs of the farming community, and as their boundaries were developed to ensure efficient use of the District Agriculturist's time, the boundaries do not necessarily coincide with those of the Census Divisions or Subdivisions. However, statistical data from the Census of Agriculture is currently only available for Census Divisions and Subdivisions. An attempt was made, both in the original profiles and in these updates, to choose census divisions and subdivisions which most closely represent the agricultural districts. In this profile all references to the Creston District are to the area covered by census divisions 3-Cenntral Kootenay and 5-Kootenay Boundary sub. A.

STRUCTURE

The profiles have been designed to provide a comprehensive source of statistical information on each agricultural district. They have been divided into three sections: an overview of the district, a description of the farms and farmers of the district, and a description of the farm products of the district.

CONTENTS

Page

Acknowledgements. ii

Peface. iii
Background
Structure
Scope
Methodology

List of Tables. iv

List of Maps. v

Overview: Creston District 2

Creston: Agricultural Resource Base. 13
Farm taxfiler's Income
Agricultural Employment
Agricultural Activity
Agricultural Land Development Act Work
Farm Capital
Age of Operators

Creston: Agricultural Production 24
Livestock and Related Products
Tree Fruit
Small Fruit/Vegetables

Appendix
Terms used in Census of Agriculture 33
Terms used in Land Capability Ratings 35

LIST OF TABLES

Page

1. Climatic Data -Creston/Niagara Falls/Saskatoon Compared 3
2. Agricultural Land Reserve Areas: Summary Table 5
3. Agriculture Land Capability 7
4. Agriculture and Grazing Lease Data 8
5. Use of Land by Farm Sales Class 9
6. Number of Farms by Farm Sales Class 10
7. Farms Classified by Product Type and Sales. 11
8. Farms Classified by Size and Sales. 12
9. Farms Classified by Capital Value and Sales 14
10. Total Farm Capital by Farm Sales. 15
11. Sales of Farms. 16
12. Average Age of Farmers. 17
13. Farm Taxfilers' Incomes 18
14. Off-Farm Work by Farm Operators - By Type of Work 19
15. Off-Farm Work by Farm Operators - By Number of Days 20
16. Hired Agricultural Labour by Farm Sales 21
17. A.L.D.A. Work Completed 22
18. Spraying, Dusting and Irrigation. 23
19. Use of Fertilizer 23
20. Estimate of Farm Cash Receipts. 25
21. Area in Field Crops by Farm Sales 26
22. Area in Vegetables by Farm Sales. 27
23. Area in Small Fruit by Farm Sales 28
24. Area in Tree Fruit by Farm Sales. 29
25. Area in Specialty Crops by Farm Sales 30
26. Livestock Numbers by Farm Sales 31
27. Poultry Numbers by Farm Sales 32

LIST OF MAPS

Page

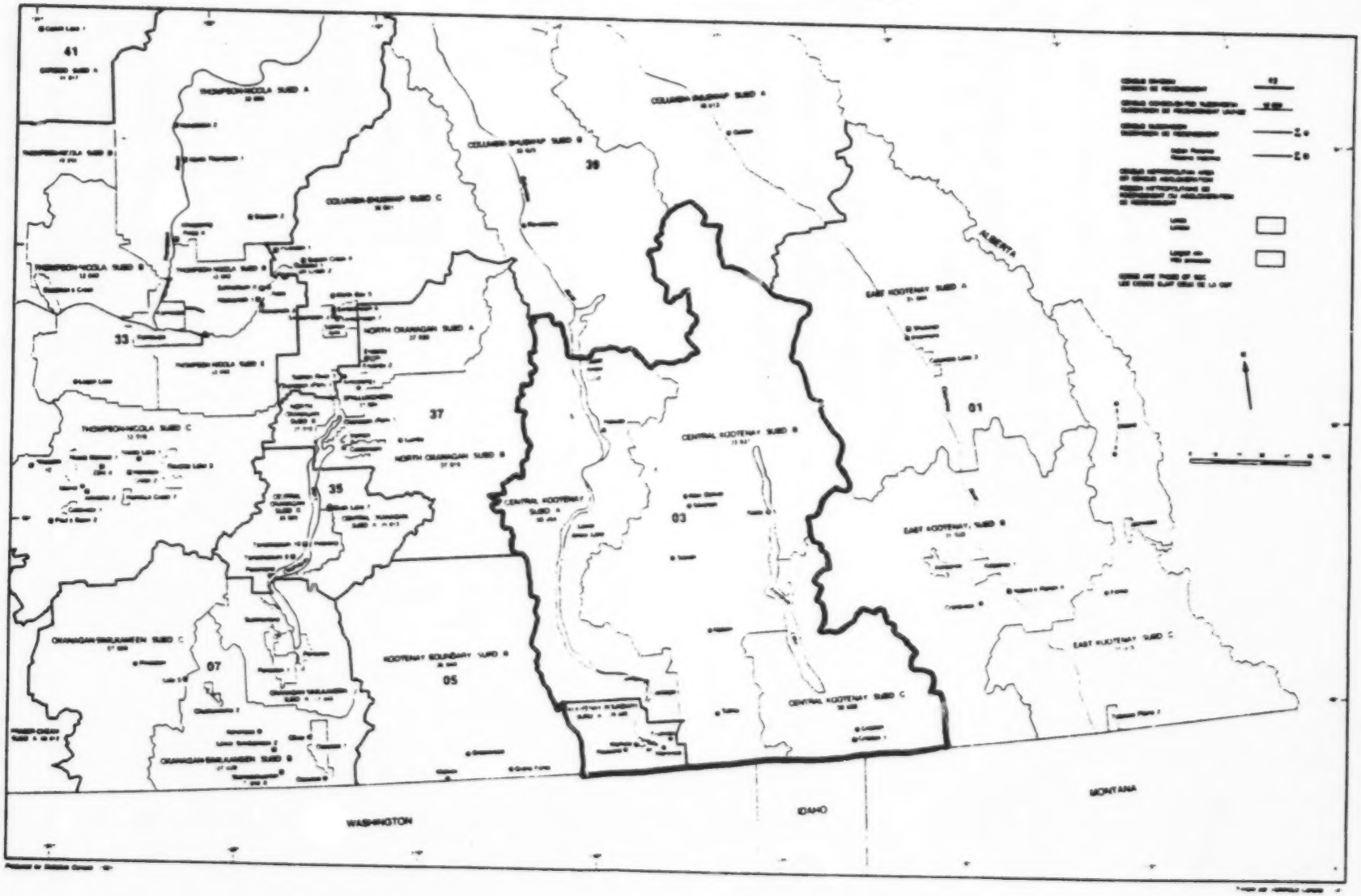
B.C. Agricultural Reporting Regions i

Creston Agricultural District 1

Okanagan-Kootenay A.L.R. Areas. 4

Kootenay Land Capability Ratings. 6

CRESTON AGRICULTURAL DISTRICT



OVERVIEW: CRESTON DISTRICT OFFICE AREA

The Creston Agricultural District occupies 1.8 million hectares in the Okanagan Kootenay Agricultural Reporting Region. The district consists of the Columbia Mountain Range and a fertile flood plain which supports the majority of agricultural activity in the area.

Census figures indicate a 1981 population of 74,985, a decrease of 21.4 percent over 1976 levels. The urban/rural distribution has remained relatively static with the urban population experiencing a slight increase. Total experienced labour force totals 34,515 with the majority employed in the personal services, manufacturing, trade and construction sectors.

Agricultural activity in the district is varied, and involves both hobby and commercial operations. In 1981, cattle production was the primary activity of 29 percent of farms, assorted field crops and fruit/vegetables accounted for 11 and 26 percent respectively. Dairying was the primary activity of 23 percent of holdings with sales greater than $50,000 in 1981. Farm cash receipts totalled $17 million in 1981, 1.9 percent of the provincial total. Dairy products, cattle and tree fruit accounted for 31, 12 and 13 percent of receipts respectively.

The Creston District accounts for 28,194 hectares in agricultural holdings, approximately 1 percent of the provincial total. The total number of farms enumerated in 1981 was 668. Farms are smaller than the provincial average in Creston where 67 percent of holdings are less than 28 hectares. Average farm size is 42 hectares compared to 109 hectares for the province as a whole. In 1981, 62 percent of farmland was classified as improved compared with 43.4 percent for the province.

Escalating land prices create a requirement for higher returns to land use. For land remaining in production, it is expected that this pressure will contribute to a replacement of grain production with corn silage and vegetable production, which give relatively higher returns to land use. With increases in corn silage production, the district is well-suited to the development of backgrounding and feedlot operations. The Creston District is also well-suited to dairy production. Currently the dairy industry is stable, with abundant supplies of feed grain and forage. There is considerable potential for expansion, especially if forage production increases. Fruit production is very intensive within and around the town of Creston. Less intensive production occurs on a more widespread area on numerous small parcels of land, often on a part time basis.

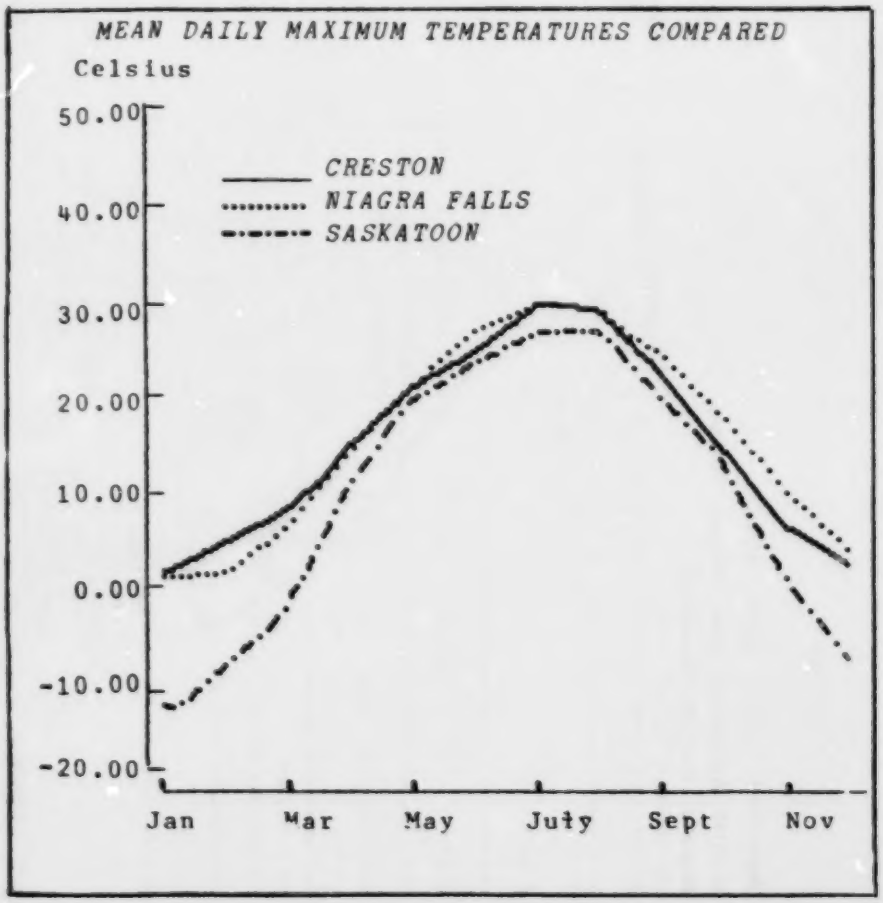
TABLE 1

CLIMATIC DATA

CRESTON/NIAGARA FALLS/SASKATOON COMPARED

	CRESTON	NIAGARA FALLS	SASKATOON
Growing Degree Days	1,916.4	2,472.7	1,619.9
Frost Free Period	160	172	117
Total Precipitation	568.9	942.3	348.8

Source: Canadian Climate Normals 1951-1980
Temperature and Precipitation Normals 1951-1980
Environment Canada



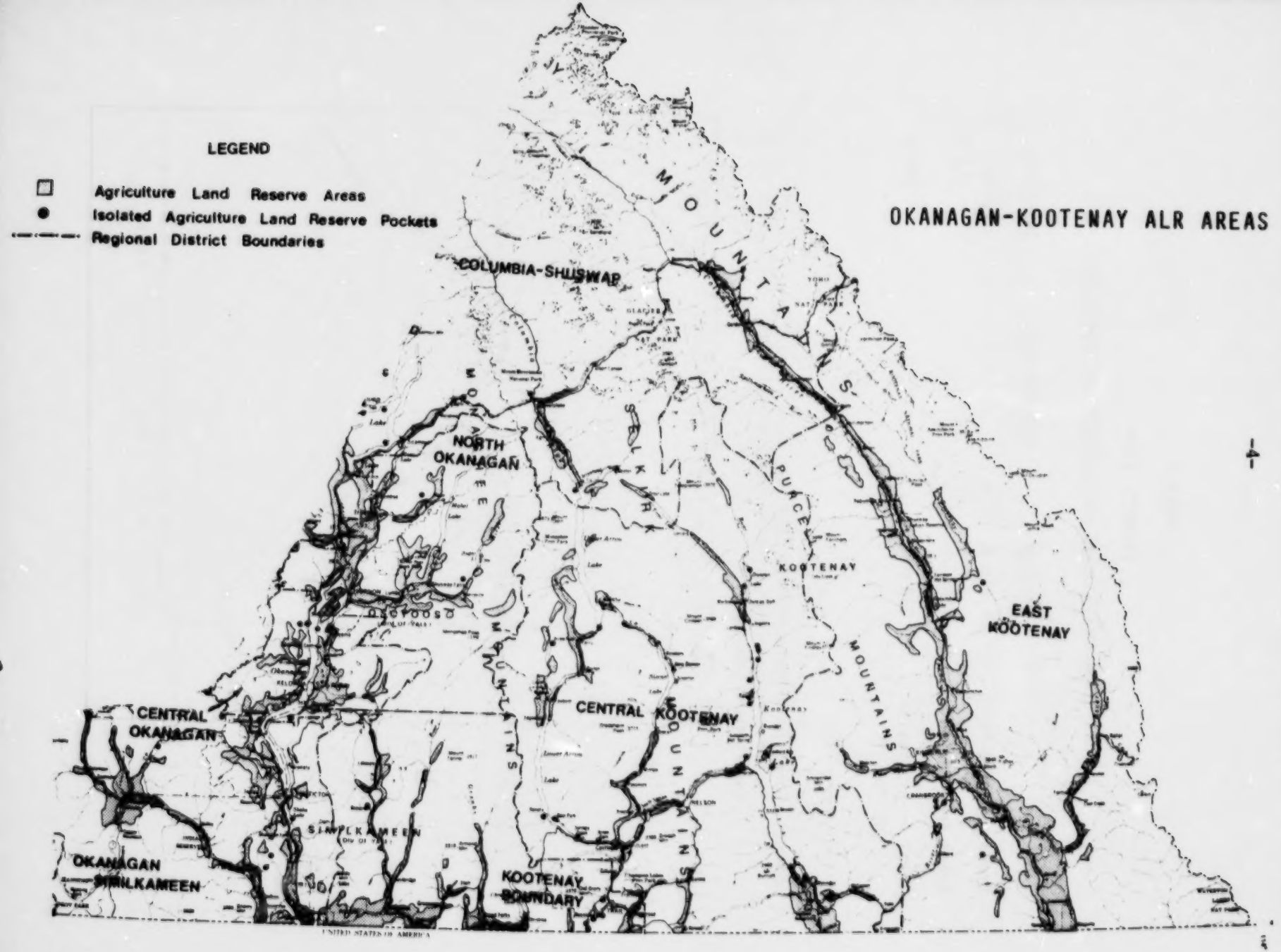

LEGEND
Agriculture Land Reserve Areas
Isolated Agriculture Land Reserve Pockets
Regional District Boundaries
OKANAGAN-KOOTENAY ALR AREAS
COLUMBIA-SHUSWAP
NORTH OKANAGAN
CENTRAL OKANAGAN
OKANAGAN SIMILKAMEEN
CENTRAL KOOTENAY
KOOTENAY BOUNDARY
EAST KOOTENAY
KOOTENAY
MOUNTAINS
PURCELL
SELKIRK
COLUMBIA
ROCKY
UNITED STATES OF AMERICA

TABLE 2
KOOTENAY REGION
AGRICULTURAL LAND RESERVE AREAS IN HECTARES
SUMMARY TABLE: LAND CAPABILITY CLASS BY PRESENT LAND USE

Present Land Use

	1	2	3	4	1-4	5	6	7	Water	Total	%Total
Forages and Grains	4,340	9,590	6,610	5,380	25,920	1,930	1,450	150	0	29,450	8
Horticulture	20	210	200	400	830	40	60	160	0	1,090	0
Grassland and Pasture	440	4,330	7,540	14,060	26,370	6,580	6,790	580	0	40,320	12
Forest	920	18,480	35,850	84,340	139,590	51,150	66,230	6,570	0	263,540	75
Non-Productive Lands	60	1,010	950	2,040	4,060	1,820	1,760	700	8,060	16,400	5
Total	5,780	33,620	51,150	106,220	196,770	61,520	76,290	8,160	8,060	330,800	
% Total	2	10	15	30	57	17	22	2	2		

Source: B.C. Land Inventory Report, Vol. 1, 2
Tallsman Project Inc., 1980.

KOOTENAY LAND CAPABILITY

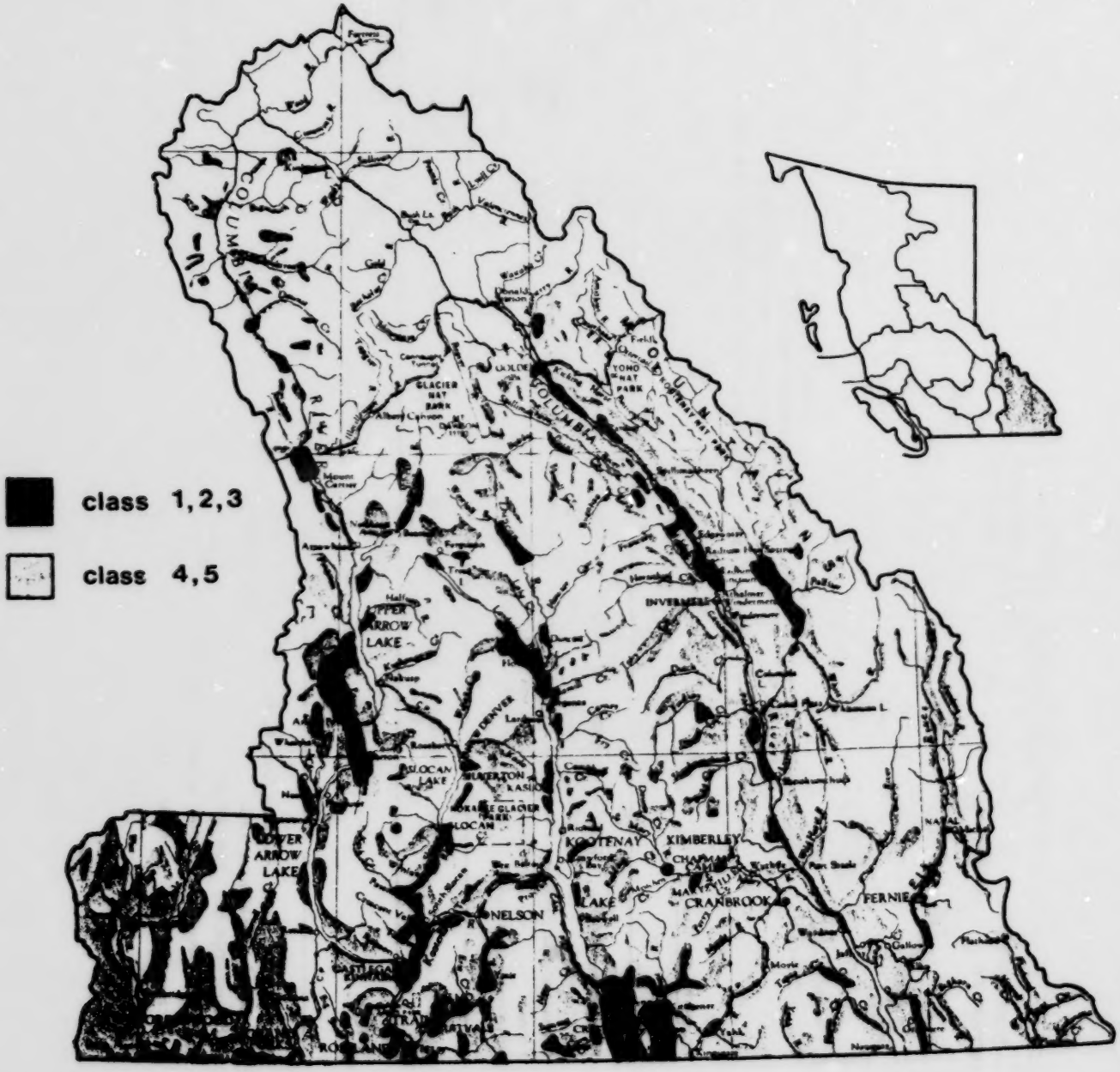


TABLE 3

KOOTENAY REGION

AGRICULTURE LAND CAPABILITY

Class	1	2	3	4	5	6	7	Water Surface	Other*	Total
Hectares ('000s):										
Unimproved	5,228	17,313	26,590	140,745	471,637	1,145,996	5,066,782	148,850	1,289,636	8,312,777
Improved**	6,533	40,926	76,642	164,584	373,962	1,144,875	5,066,768	148,850	1,289,636	8,312,777
Percent:										
Unimproved	0.06	0.21	0.32	1.69	5.68	13.79	60.95	1.79	15.51	100.0
Improved**	0.08	0.49	0.93	1.98	4.50	13.77	60.95	1.79	15.51	100.0

*Other includes unclassified urban areas, national parks and unmapped portions of the district.
**Rating if land unit were irrigated and/or drained.

Source: Agriculture Land Capacity in British Columbia, ARDA Project #89077, 1976.

TABLE 4
CRESTON AGRICULTURAL DISTRICT
AGRICULTURE AND GRAZING LEASE DATA IN HECTARES

Lease Type: Grazing

Year	No. of Leases	Area
1983	0	-
1982	0	-
1981	0	-
1980	0	-
1980-1983	0	-
TOTAL	12	500.96

Lease Type: Extensive Agriculture

1983	0	-
1982	2	263.20
1981	0	-
1980	1	16.18
1980-1983	3	279.38
TOTAL	6	392.96

Lease Type: Intensive Agriculture

1983	0	-
1982	0	-
1981	0	-
1980	0	-
1980-1983	0	-
TOTAL	3	17.45

Total lease area in Creston: 1980-1983: 279.38
Total lease area in Creston: 911.37

Note: These figures include the Nelson District of the Kootenay Region as classified by the Ministry of Lands, Parks and Housing which encompasses Columbia Shuswap Subdivision B, Central Kootenay and Kootenay -Boundary Census Divisions.

Source: B.C. Crown Land: Range and Cultivated Land Inventory, B.C.M.A. 1984

TABLE 5

USE OF LAND BY FARM SALES CLASS CRESTON, 1981-IN HECTARES

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
Number of Farms	201	84	110	81	113	79	668
Total Area of Farms	2,985	1,745	3,511	3,549	6,999	9,405	28,194
Total Improved Land Area	1,238	722	1,471	1,672	4,144	8,294	17,541
Total Area Under Crop	627	341	790	911	2,809	7,295	12,774
Number of Farms Reporting	152	73	92	63	103	72	555
Area of Improved Pasture	399	311	525	654	1,139	779	3,807
Number of Farms Reporting	80	42	55	42	47	28	294
Area in Summer Fallow	35	14	18	3	29	12	111
Number of Farms Reporting	11	6	9	3	6	4	39
Other Improved Land Area	176	56	138	104	167	208	849
Number of Farms Reporting	143	57	72	60	74	58	464
Total Unimproved Land Area	1,751	1,024	2,039	1,877	2,855	1,112	10,658
Woodland Area	1,052	378	1,170	564	877	684	4,724
Number of Farms Reporting	66	34	33	25	33	15	206
Other Unimproved Land Area	699	646	869	1,313	1,979	428	5,934
Number of Farms Reporting	72	32	48	40	47	24	263

Source: 1981 Census of Agriculture
December 1983

TABLE 6

CRESTON AGRICULTURAL DISTRICT:

NUMBER OF FARMS BY FARM SALES CLASS

SALES	$-2499	$2500-4999	$5000-9999	$10,000+
1971	329	84	63	96
1976	423	75	69	120
1981	285	110	81	192

Source: 1981 Census of Agriculture.

TABLE 7

CRESTON AGRICULTURAL DISTRICT

FARMS CLASSIFIED BY PRODUCT TYPE AND SALES -1981 CENSUS

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
Dairy	3	4	1	4	4	18	34
Cattle	37	26	34	34	49	16	196
Hogs	3	-	2	-	4	5	14
Poultry	34	7	8	4	1	3	57
Wheat	-	-	-	1	2	2	5
Small Grains	-	-	-	1	2	5	8
Other Field Crops	26	10	16	6	13	3	74
Fruits and Vegetables	59	23	28	18	31	17	176
Miscellaneous Specialty	18	8	6	7	5	8	52
Livestock Combination	7	5	13	5	1	-	31
Field Crop Combinations	-	-	-	-	-	1	1
Other Combinations	14	1	2	1	1	1	20
TOTAL	201	84	110	81	113	79	668

SOURCE: Census of Agriculture, 1981

TABLE 8

CRESTON AGRICULTURAL DISTRICT

FARMS CLASSIFIED BY SIZE AND SALES-1981 CENSUS

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
1-2 Acres	18	5	5	1	-	2	31
3-9 Acres	56	19	19	12	8	7	121
10-69 Acres	101	46	46	35	41	26	295
70-129 Acres	9	10	13	10	17	8	67
130-179 Acres	9	2	13	10	16	4	54
180-239 Acres	2	-	5	3	9	3	22
240-399 Acres	6	-	7	4	12	8	37
400-559 Acres	-	-	1	4	5	8	18
560-759 Acres	-	1	1	2	3	6	13
760-1119 Acres	-	1	-	-	2	1	4
1120-1599 Acres	-	-	-	-	-	4	4
1600 Acres and Over	-	-	-	-	-	2	2
TOTAL	201	84	110	81	113	79	668

SOURCE: Census of Agriculture, 1981

CRESTON: AGRICULTURAL RESOURCE BASE

Farm Taxfiler's Income

The district has a relatively high proportion of low income operations. In 1981, 71 percent of farms had sales less than $10,000 compared to 60 percent for B.C. as a whole. Average gross farm income reported was $22,000 in 1981 compared to $39,959 provincially. Almost all taxfilers in the Creston District reported some off farm income, with 62 percent reporting wages and salaries.

Agricultural Employment

Over 90 percent of reported days off farm work included non agricultural labour, approximately 85 percent of off farm work was reported from holdings with sales less than $10,000. Farm operators hired an average 12 weeks of farm labour, compared with 24 weeks for the province as a whole. In 1981, farms with sales greater than $50,000 provided 80 percent of agricultural employment.

Agricultural Land Development Act

The 1981 census reported 19 fewer holdings than in 1976. Irrigation has accounted for over 59 percent of A.L.D.A. expenditures over the last few years. Approximately 23 percent of funds are allocated to land clearing, which has totalled 103 hectares since 1976. Operators report using 2,585 tonnes of fertilizer on 10,813 hectares of agricultural land in 1981.

Farm Capital

The total nominal value of farm capital has increased from $99 million in 1976 to $193 million in 1981. The per farm average rose from $185,000 to $289,000 over the same period. The proportion of investment in land and buildings, machinery and livestock has remained relatively constant since 1976. In 1981, total farm capital per hectare was $6,843, almost twice the provincial average.

Age of Operators

The age distribution of farmers remained relatively constant over the period 1976-81 with the largest increase in the 55-59 age group, the total number of farmers decreased by 3 percent, the district now represents 3.3 percent of the provincial total.

TABLE 9

CRESTON AGRICULTURAL DISTRICT

FARMS CLASSIFIED BY CAPITAL VALUE AND SALES-1981 CENSUS

Capital Value	Sales $250-2499	$2500-9999	$10000-49999	$50000 OR MORE	TOTAL
$10,000-24,999	5	4	1	-	10
$25,000-49,999	12	5	1	-	18
$50,000-99,999	100	25	4	1	130
$100,000-199,999	128	79	22	6	235
$200,000-499,999	39	66	58	22	185
$500,000 AND OVER	1	12	27	50	90
TOTAL	285	191	113	79	668

SOURCE: Census of Agriculture, 1981

TABLE 10

TOTAL FARM CAPITAL BY FARM SALES, 1981: CRESTON DISTRICT

	$250-2499	$2500-9999	$10000-49999	$50000+	TOTAL
NUMBER OF FARMS	285	191	113	79	668
TOTAL CAPITAL VALUE	35,552,647	41,478,490	42,032,468	73,852,726	192,916,331
VALUE OF LAND & BUILDINGS	31,409,282	36,160,244	35,238,320	58,514,614	161,322,460
VALUE OF MACHINERY	3,299,049	4,009,039	4,519,870	9,063,786	20,891,744
VALUE OF LIVESTOCK-POULTRY	844,316	1,309,207	2,274,278	6,274,326	10,702,127
AVERAGE CAPITAL VALUE	124,746	217,166	371,969	934,845	288,794
RATIO OF CAPITAL VALUE TO MIDDLE VALUE OF FARM SALES CLASS	91	35	12	12	

SOURCE: Census of Agriculture, 1981

TABLE II

1983 SALES OF FARMS-OKANAGAN KOOTENAY REGION

Area Name	No. Pcls.	Hectares	Sale Price $000s	Value of Improvements	Residual Value	Actual Value	Assessment Sales Ratio	Mkt Value $/Hectare
Penticton	45	660	6,532	$909,600	$5,621,848	$1,075,309	0.191	8,513
Trail	14	1,567	2,179	278,000	1,901,438	1,027,068	0.54	1,213
Kelowna	33	540	6,967	1,040,000	5,926,567	590,580	0.0996	10,972
Vernon	61	1,186	9,974	1,708,500	8,265,750	2,290,223	0.277	6,978
Nelson	7	131	1,065	88,500	976,480	432,240	0.443	7,480
East Kootenay	17	796	2,101	522,800	1,577,945	250,438	0.158	19,942

Source: B.C. Assessment Authority.

TABLE 12

AVERAGE AGE OF FARMERS: CRESTON DISTRICT

	1976	1981	CHANGE
Under 25	9	8	-1
25 - 34	100	87	-13
35 - 44	156	160	+4
45 - 54	182	174	-8
55 - 59	75	99	+24
60- 64	68	58	-10
65 - 69	42	41	-1
70 & Over	55	41	-14
TOTAL	687	668	-19
TOTAL PERCENT OF B.C.	3.5	3.3	

SOURCE: Census of Agriculture, 1981

TABLE 13
KOOTENAY REGION
FARM TAXFILER'S INCOME 1980.

	# of Farm Taxfilers	Average Gross Farm Income $'000s	Total Gross Farm Income $'000s	# Reporting Farm Net Income	Average Net Farm Income $'000s	Total Net Farm Income $'000s	# Reporting Wages & Salaries	Average Wage & Salary $'000s	# Reporting Off Farm Income	Average Off Farm Income $'000s	Total Off Farm Income $'000s	Average Income All Sources $'000s	Total Income All Sources $'000s
Central Kootenay	660	19.9	13,116.8	652	0.45	296.3	390	10.2	643	16.0	10,565.9	16.5	10,862.3
East Kootenay	555	24.4	13,548.7	546	(0.98)	(543.9)	358	12.3	540	19.2	10,624.9	18.2	10,081.0
Kootenay Total	1,215	22.0	26,665.5	1,198	(0.21)	(247.6)	748		1,183	17.4	21,190.9	17.2	20,943.3

Source: Revenue Canada.

TABLE 14

OFF-FARM WORK BY FARM OPERATORS BY TYPE OF WORK & FARM SALES, 1981: CRESTON

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
NUMBER OF FARMS	201	84	110	81	113	79	668
DAYS OF OFF-FARM WORK	22,450	9,895	12,637	9,081	8,841	881	63,785
FARMS REPORTING	130	57	66	51	49	9	362
AGRICULTURAL OFF-FARM WORK	1,876	971	373	837	1,523	465	6,045
FARMS REPORTING	19	11	6	10	12	3	61
NON-AGRICULTURAL OFF-FARM WORK	20,574	8,924	12,264	8,244	7,318	416	57,740
FARMS REPORTING	118	51	62	45	41	6	323

SOURCE: Census of Agriculture, 1981

TABLE 15
CRESTON AGRICULTURAL DISTRICT
OFF FARM WORK BY FARM OPERATORS BY NUMBER OF DAYS AND FARM SALES-1981 CENSUS

	$250-1,599	$1,600-2,499	$2,500-4,999	$5,000-9,999	$10,000-49,000	$50,000+	Total
1-6 Days	4	1	1	2	1	1	10
7-12	3	-	2	-	2	1	8
13-24	3	1	1	2	5	-	12
25-48	7	6	3	3	2	2	23
49-72	11	2	3	4	-	-	20
73-96	5	4	3	3	2	-	17
97-126	10	8	3	2	5	2	30
127-156	10	4	4	4	1	1	24
157-228	29	13	19	14	12	1	88
229-365	48	18	27	17	19	1	130
Total	130	57	66	51	49	9	362

Source: 1981 Census of Agriculture.

TABLE 16

HIRED AGRICULTURAL LABOUR BY FARM SALES, 1981: CRESTON

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
NUMBER OF FARMS	201	84	110	81	113	79	668
TOTAL WEEKS OF HIRED LABOUR	69	99	268	257	986	6,426	8,105
FARMS REPORTING	15	17	26	25	60	69	212
WEEKS OF YEAR-ROUND LABOUR	12	14	104	43	116	3,993	4,282
FARMS REPORTING	4	3	3	3	4	37	54
WEEKS OF SEASONAL LABOUR	57	85	164	214	870	2,433	3,823
FARMS REPORTING	11	14	24	23	57	56	185

SOURCE: Census of Agriculture, 1981

TABLE 17

AGRICULTURE LAND DEVELOPMENT ACT WORK DONE, 1976 - 1981: CRESTON DISTRICT OFFICE AREA

	CLEARED			BROKEN			IRRIGATION	OTHER	TOTAL
Fiscal Year	Hectares	Cost/ Hectare $	Cost $'000	Hecatares	Cost/ Hectare $	Cost $'000	Cost $'000	Cost $'000	$'000
1976	71	330	23	-	-	-	11	5	39
1977	14	214	3	-	-	-	9	-	12
1978	14	642	9	-	-	-	25	-	34
1979	-	-	-	-	-	-	-	-	-
1980	-	-	-	-	-	-	15	12	27
1981	4	1,250	5	-	-	-	25	-	30

SOURCE: British Columbia Ministry of Agriculture and Food, A.L.D.A. Branch Records

TABLE 18

SPRAYING, DUSTING AND IRRIGATION, 1981: CRESTON

Spraying and Dusting (any)	210
Weed Control (Hec.)	4,993
Farms Reporting	108
For Insect Control (Hec.)	821
Farms Reporting	156
Irrigation - Total Area (Hec.)	2,491
Farms Reporting	317
Sprinkler System - Total Area (Hec.)	2,319
Farms Reporting	297

SOURCE: Census of Agriculture, 1981

TABLE 19

FERTILIZER USE, 1981: CRESTON

Total Area (hectares)	10,813
Tonnes	2,585
No. Reports of Any Use	287
Total Cropland (Hec.)	7,066
Tonnes	1,643
Farms Reporting	193
Total Tame Hay (Hec.)	2,728
Tonnes	700
Farms Reporting	117
Total Improved Pasture (Hec.)	1,019
Tonnes	242
Farms Reporting	66

SOURCE: Census of Agriculture, 1981

CRESTON AGRICULTURAL PRODUCTION

Livestock and Related Products

Sales of livestock and products for 1981 were valued at $9 million or 54 percent of total farm cash receipts. Dairy products accounted for $5.1 million of this total or 2.4 percent of provincial dairy sales. Total cattle herd size increased by 8 percent to 14,500 head over the period 1976-81. There is considerable potential for expansion in the cattle industry, but this is limited by a shortage of summer grazing, as a result feedlot development has attracted some consideration over the last few years. The dairy industry is relatively stable with over 30 producers and 2,000 dairy cows.

Sheep production is small but expanding, mostly in small farm flocks. Most sales are direct off the farm. The hog industry has also experienced rapid growth for several years, the hog population has more than tripled since 1976. Marketing has posed some difficulties, with the majority of hogs being transported to Vancouver abattoirs.

The poultry industry is quite stable with the chicken population experiencing virtually no expansion since 1976.

Tree Fruit

Tree fruit production was valued at $2.2 million in 1981, almost 4 percent of the provincial crop. The district has 463 hectares under tree fruit cultivation, 66 percent of which is concentrated among holdings with sales in excess of $10,000. Apple cultivation accounts for more than 75 percent of tree fruit area, the highest concentration of the 111,000 trees is in the $10,000-49,999 sales class. Cherry and pear cultivation each accounted for 6 percent of tree fruit area.

Small Fruit/Vegetables

Small fruit production, mainly strawberries and other berries were valued at $136,000 in 1981. Most of the acreage planted in small fruits is concentrated in higher sales class holdings. Strawberry cultivation accounts for over 80 percent of small fruit acreage. Field vegetable receipts totalled $801,000 in 1981. Hothouse vegetables and Floriculture/nursery are also important, each being valued at $285,000 and $345,000 respectively. Over 30 producers reported greenhouse operations in 1981. Field crops, mostly wheat and barley totalled $666,000 in 1981 farm cash receipts.

TABLE 20

ESTIMATE OF FARM CASH RECEIPTS, 1981

CRESTON AGRICULTURAL DISTRICT

COMMODITY	FARM CASH RECEIPTS $'000	PERCENTAGE	PERCENTAGE OF B.C. OUTPUT
Wheat	389.71	2.39	4.52
Oats	72.34	0.43	2.49
Barley	204.23	1.22	2.48
CWB Payments	227.62	1.36	4.43
Canola	1.64	0.01	0.08
Potatoes	660.19	3.95	3.60
Small Fruits	135.52	0.81	0.36
Vegetables	141.21	0.85	0.48
Floriculture/Nursery	344.69	2.06	0.67
Forest Products	54.15	0.32	2.32
Cattle & Calves	2,045.58	12.24	1.67
Income Ins.	297.51	1.78	
Hogs	1,277.70	7.65	2.46
Income Ins.	2.31	0.01	
Sheep	43.46	0.26	1.65
Income Ins.	2.55	0.02	
Poultry & Eggs	581.27	3.48	0.43
Income Ins.	0.22	0.00	
Dairy Products	5,091.45	30.47	2.35
C.D.C. Subsidy	203.28	1.22	
Honey	261.88	1.57	5.13
Tree Fruit	2,172.40	13.00	4.02
Income Ins.	928.25	5.56	
Hothouse	284.98	1.71	0.98
Income Ins.	10.00	0.06	
Other	1,266.12	7.58	1.85
Total Cash Receipts	16,709.30		

SOURCE: Ministry of Agriculture and Food, 1983.

TABLE 21

AREA IN FIELD CROPS BY FARM SALES, 1981: CRESTON-IN HECTARES

	$250-1599	$1600-2499	$2500-4999	$5000-9999	$10000-49999	$50000 OR MORE	TOTAL
Number of Farms	201	84	110	81	113	79	668
Flaxseed	-	-	-	-	-	-	-
Farms Reporting	-	-	-	-	-	-	-
Rapeseed	-	-	-	-	30	20	50
Farms Reporting	-	-	-	-	1	1	2
Tame Hay - Total	486	290	699	687	2,087	3,269	7,517
Farms Reporting	91	49	67	45	69	44	365
Alfalfa and Mixtures	306	162	459	430	1,429	2,301	5,086
Farms Reporting	67	35	48	31	50	40	271
Other Tame Hay	181	128	240	257	658	968	2,431
Farms Reporting	35	19	29	20	29	19	151
Oats for Fodder	18	7	22	25	89	119	279
Farms Reporting	13	4	9	5	16	9	56
Other Fodder Crops	4	-	-	-	105	24	133
Farms Reporting	1	-	-	-	4	2	7

Source: 1981 Census of Agriculture.

TABLE 22
CRESTON AGRICULTURAL DISTRICT
AREA OF VEGETABLES ON FARMS, IN HECTARES- 1981 CENSUS OF AGRICULTURE

	$250-1,599	$1,600-2,499	$2,500-4,999	$5,000-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	201	84	110	81	113	79	668
Vegetables	5.50	2.10	3.90	7.90	8.80	9.90	38.10
Farms Reporting	21	8	10	8	6	5	58
Asparagus	1.10	0.41	-	4.10	0.28	6.10	11.60
Farms Reporting	4	1	-	2	2	1	10
Beans	0.16	0.04	0.16	0.12	-	-	0.49
Farms Reporting	3	1	3	3	-	-	10
Beets	0.20	0.04	0.12	0.08	0.08	-	0.53
Farms Reporting	5	1	3	2	1	-	12
Broccoli	0.28	0.04	0.08	0.08	-	-	0.49
Farms Reporting	3	1	2	2	-	-	8
Cabbage	0.20	0.08	0.12	0.08	0.08	0.12	0.69
Farms Reporting	5	2	2	2	2	1	14
Carrots	0.45	0.32	0.20	0.32	0.28	0.12	1.70
Farms Reporting	8	4	4	4	2	1	23
Cauliflower	0.12	0.04	0.08	0.08	-	0.12	0.45
Farms Reporting	3	1	2	2	-	1	9
Cucumbers	0.20	0.04	0.24	0.24	1.34	0.12	2.19
Farms Reporting	4	1	3	2	3	1	14
Green Peas	0.12	0.45	0.04	0.12	-	-	0.73
Farms Reporting	3	3	1	3	-	-	10
Lettuce	0.41	0.04	0.12	0.16	-	-	0.73
Farms Reporting	6	1	1	3	-	-	11
Onions (Dry)	0.16	0.08	0.04	0.16	0.16	-	0.61
Farms Reporting	4	1	1	3	1	-	10
Rutabagas	0.12	0.04	0.04	-	0.12	0.16	0.49
Farms Reporting	3	1	1	-	1	1	7
Sweet Corn	0.89	0.61	0.77	1.26	6.03	1.62	11.20
Farms Reporting	4	4	5	6	4	3	26
Tomatoes	0.28	0.04	0.08	0.36	0.16	0.16	1.09
Farms Reporting	6	1	2	5	1	2	17
Other Vegetables	0.81	0.20	1.74	0.73	0.28	1.42	5.18
Farms Reporting	7	3	4	2	2	2	20

TABLE 23
CRESTON AGRICULTURAL DISTRICT
AREA IN SMALL FRUITS BY FARM SALES IN HECTARES-1981 CENSUS

	$250-1,599	$1,600-2,499	$2,500-4,999	$5,000-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	201	84	110	81	113	79	668
Small Fruits	2.31	0.81	1.38	1.34	6.90	7.08	19.80
Farms Reporting	11	7	8	4	4	3	37
Strawberries	1.21	0.45	0.69	1.30	5.30	7.00	15.90
Farms Reporting	5	6	4	4	4	3	26
Grapes	0.08	-	-	-	-	-	0.08
Farms Reporting	2	-	-	-	-	-	2
Other Berries	1.01	0.36	0.69	0.04	1.66	0.08	3.90
Farms Reporting	9	5	5	1	3	1	24

Source: 1981 Census of Agriculture.

TABLE 24
CRESTON AGRICULTURAL DISTRICT
AREA IN TREE FRUITS BY FARM SALES IN HECTARES-1981 CENSUS

	250-1,599	$1,600-2,499	$2,500-4,999	$5,000-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	201	84	110	81	113	79	668
Tree Fruits	51.3	32.7	36.5	38.0	151.0	153.5	463.4
Farms Reporting	58	25	29	20	31	23	186
Apple	32.3	18.0	20.5	26.7	120.9	129.9	348.2
Farms Reporting	52	22	28	20	29	21	172
No. of Apple Trees	12,240	4,935	8,259	9,151	46,100	38,229	110,922
Pear	3.24	3.24	4.86	3.52	4.73	10.44	30.03
Farms Reporting	34	17	22	13	18	15	119
Number of Pear Trees	307	269	535	341	798	1,913	4,163
Plum and Prune	5.58	3.44	2.27	2.02	4.21	2.02	19.55
Farms Reporting	37	18	20	13	19	11	118
Number of Trees	389	381	283	259	587	381	2,280
Cherry (Sweet)	4.73	5.06	2.83	2.31	7.49	4.33	26.75
Farms Reporting	37	20	23	16	22	14	132
Number of Cherry Trees	535	614	364	294	1,050	562	3,419
Cherry (Sour)	0.61	0.32	0.32	0.16	2.15	0.08	3.64
Farms Reporting	12	7	6	4	6	2	37
Number of Trees	34	14	14	11	495	4	572
Peach	3.20	1.98	4.29	1.82	8.01	4.61	23.96
Farms reporting	31	12	19	11	22	15	110
Number of Peach Trees	488	214	606	285	1,613	1,182	4,388
Apricot	1.62	0.69	1.46	1.46	3.93	2.15	11.29
Farms reporting	26	9	16	9	17	12	89
No. of Apricot Trees	135	92	195	132	666	296	1,516

Source: 1981 Census of Agriculture.

TABLE 25
CRESTON AGRICULTURAL DISTRICT
AREA IN SPECIALTY CROPS BY FARM SALES IN HECTARES-1981 CENSUS

	$250-2,499	$2,500-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	285	191	113	79	668
Nusery Products	0.81	n.a.	n.a.	4.01	8.38
Farms Reporting	5	2	2	4	13
Greenhouse Sq. Metres	n.a.	n.a.	n.a.	n.a.	n.a.
Farms Reporting	18	6	1	7	32

Source: 1981 Census of Agriculture.

TABLE 26
CRESTON AGRICULTURAL DISTRICT
LIVESTOCK NUMBERS BY FARM SALES-1981 CENSUS

	$250-2,499	$2,500-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	285	191	113	79	668
Cattle-Total Number	1,167	2,004	3,861	7,528	14,560
Farms Reporting	136	109	67	38	350
Cows-Total Number	469	784	1,594	3,145	5,992
Farms Reporting	113	97	60	36	306
Dairy Cows-Number	116	103	156	1,719	2,094
Farms Reporting	56	43	21	22	142
Beef Cows-Number	353	681	1,438	1,426	3,898
Farms Reporting	78	80	47	19	224
Heifers-Total Number	179	284	645	1,326	2,434
Farms Reporting	69	81	52	33	235
Steers-Number	122	233	274	831	1,460
Farms Reporting	52	69	34	16	171
Bulls-Number	40	75	82	182	379
Farms Reporting	35	58	41	29	163
Calves-Number	357	628	1,266	2,044	4,295
Farms Reporting	101	89	57	35	282
Pigs-Total Number	519	228	619	4,905	6,271
Farms Reporting	34	28	13	8	83
Sheep-Total Number	n.a.	n.a.	n.a.	n.a.	n.a.
Farms Reporting	15	13	2	5	35
Horses-Number	227	332	174	69	802
Farms Reporting	70	68	31	20	189

Source: 1981 Census of Agriculture.

TABLE 27
CRESTON AGRICULTURAL DISTRICT
POULTRY NUMBERS BY FARM SALES-1981 CENSUS

	250-2,499	$2,500-9,999	$10,000-49,999	$50,000+	TOTAL
Number of Farms	285	191	113	79	668
Hens/Chickens Total No.	7,035	6,174	1,599	27,724	42,532
Farms Reporting	138	93	37	11	279
Turkeys-Number	161	114	n.a.	n.a.	311
Farms Reporting	21	13	6	1	41
Geese-Number	183	89	n.a.	n.a.	297.
Farms Reporting	31	17	5	1	54
Ducks-Number	243	293	n.a.	n.a.	560
Farms Reporting	34	25	6	2	67

Source: 1981 Census of Agriculture.

APPENDIX

TERMS USED IN THE CENSUS OF AGRICULTURE

Census-farm areas

The area of census-farms reported for each subdivision represents the area of land operated by farmers whose headquarters are in the subdivision.

Crown lands, usually pasture land, which were operated under a lease agreement with federal, provincial or municipal governments, are reported as part of the farming operation of the person to whom the land was leased. However, land which was used under a per head grazing permit or fee is not included.

Large areas of timber land or other non-agricultural land held by the operator, but operated apart from the farm business, are excluded.

Use of Land

All farm land is classified according to use under two major divisions: improved and unimproved land.

Improved Land

1) Crop land - Included in this item is the total area of crop land sown for harvest in the census year. Crop land includes the total area of all field crops, plus the areas of fruits, vegetables, greenhouses, mushroom houses and nursery products. Because some crops are reported in fractions of a hectare, there may be slight differences between the sum of the individual crop areas and the total crop land.

2) Improved pasture - All land which was being used for pasture or grazing and which has had some improvements made to it in recent years is included. Improvements would include cultivation, drainage, irrigation, fertilization, seeding down or spraying.

3) Summer fallow - The enumerator was instructed to include in this item land from which no crop was to be harvested during the census year, but which was to be cultivated or worked during the year for weed control and/or for moisture conservation.

4) Other improved land - This item includes the area of barnyards, home gardens, lanes and roads on farms. It also includes areas of cultivated land that were lying idle, being neither summer-fallowed nor cropped, and areas of new breaking that had not been seeded to a crop.

Unimproved Land

The area of unimproved land consists of the total areas reported for 1) woodland and 2) other unimproved land.

1) Woodland - This includes farm woodlots, land leased for cutting, sugar bush and cut-over land with young growth which has or will have value as timber, fuelwood or Christmas trees. The area of tress planted for wind-breaks was also to be included. It excludes large timber tracts which are run as a separate business from the farm. There is some evidence that changes in the area of this item between censuses may be due to differences in interpretation. This would be particularly true in areas of bushland.

2) Other unimproved land - Areas of native pasture or hay land that had not been cultivated, bush pasture, grazing or waste land, sloughs, marsh and rocky land et cetera, are all included in this item.

TERMS USED IN LAND CAPABILITY RATINGS

Class 1 land is capable of producing the very widest range of vegetables, cereal grains, forages, berry fruits and numerous specialty crops. Soil and climatic conditions are opitimum.

Class 2 land is capable of producing a wide range of regional crops as above with some differences in variety due to minor restrictions of soils and climate.

Class 3 land is capable of producing a fairly wide range of regional crops under good management practices. Soils and/or climate limitations are somewhat restrictive.

Class 4 land is capable of a restricted range of regional crops such as hardy cereal grains, hardy vegetables, and forages. Soil and climate limitations demand special management considerations.

Class 5 land is capable of production of perennial forage crops only. Soil and/or climate restrictions severely limit the land's capability.

Class 6 land is natural rangeland. Soil and/or climate limitations preclude cultivation, but the land may be important in its natural state as grazing land.

Class 7 land has no agricultural capability whatsoever.

UNIMPROVED These figures are derived from the Canada Land Inventory dry-farm ratings. They do not reflect either present land use or the state of readiness for cultivation, but only the potential capability if used for agriculture.

IMPROVED These figures are derived from the Canada Land Inventory irrigated ratings. They reflect the capability for agriculture if the land unit were irrigated and/or drained. They do not indicate whether the land unit is presently either irrigated or drained.

WATER SURFACES This category includes all non-seasonal lakes and rivers. It also includes that part of the Strait of Georgia, between Vancouver Island and the Mainland , that falls within latitudes 49 N to 51 N.

OTHER This category includes all regions of the province that were not mapped due to limited agricultural potential, national parks, and unmapped urban areas.

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